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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/367,433	01/13/2000	ALEXANDROS ELEFTHERIADIS	A30919-PCT-U	4342

21003 7590 05/20/2005

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NEW YORK, NY 10112

EXAMINER	
DESIR, JEAN WICEL	
ART UNIT	**PAPER NUMBER**
2614	

DATE MAILED: 05/20/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/367,433	ELEFTHERIADIS ET AL.	
	Examiner	Art Unit	
	Jean W. Désir	2614	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *28 April 2005, RCE*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-10* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-10* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

2. Claims 1-10 rejected under 35 U.S.C. 103(a) as being unpatentable over Escobar et al (US 5,826,102) in view of Puri et al (US 6,134,269).

Claim 1:

The claimed limitation "receiving, over time, a plurality of audio-visual/video objects and composition information for the objects" is disclosed, see col. 4 lines 33-36, col. 6 lines 37-40;

the claimed limitation "storing in a cache memory at least one of the objects" is disclosed, see col. 6 lines 21-22, col. 4 lines 29-39;

the claimed limitation "composing scenes from said objects including the one of the objects stored in the cache memory" is disclosed, see col. 6 lines 41-45, col. 4 lines 16-18, col. 21 lines 27-31;

the claimed limitation "and displaying the composed scenes" is disclosed, see col. 6 lines 46-48;

the claimed limitation "wherein the received audiovisual/video objects and composition information for the objects comprises encoded data-objects having a high

level structure of visual content and step (a) further comprises receiving such encoded data-objects in a data bit stream" is also suggested by Escobar, because Escobar teaches MPEG encoder/decoder and also data bit stream, see Fig. 8 items 827, 829, 831. The only difference between the claimed invention and Escobar's disclosure is that Escobar does not explicitly say "encoded data-objects having a **high level structure of visual content**". However, the structure of the claimed limitation is notoriously well known in the art, as evidence see Puri at col. 3 lines 12-19, col. 4 lines 38-39, where encoded data-objects, bitstream objects, having a high level structure of visual content (representing familiar physical objects), are independently encoded. An artisan would be motivated to combine the references to arrive at the claimed invention, because this combination would provide encoded data-objects, bitstream objects, having a high level structure of visual content, that are independently encoded using coded technique that gives best quality for each object; and this combination would result also in modularity, reusability, and ease of manipulation and interaction with individual image components. Therefore, the claimed invention would have been obvious to a person of ordinary skill in the art at the time the invention was made.

Claim 2 is disclosed, see col. 6 lines 35-46, col. 12 lines 6-7.

Claim 3 is disclosed, see col. 4 line 33.

Claim 4 is disclosed, see col. 6 lines 21-22.

Claim 5 is disclosed, see col. 6 lines 21-22, col. 4 line 33, col. 6 lines 41-45.

Claim 6 is disclosed, see col. 4 lines 34-36.

Claim 7 is disclosed, see col. 4 lines 29-39.

Claim 8:

The claimed limitation "a controller circuit for controlling acquisition over time of a plurality of audio-visual/video objects and composition information for the objects" is disclosed, see col. 4 lines 33-36, col. 6 lines 37-40;

the claimed limitation "a cache memory for storing at least one of the objects" is disclosed, see col. 6 lines 21-22, col. 4 lines 29-39;

the claimed limitation "a composer circuit, coupled to the cache memory, for composing scenes from said video objects including the one of the objects stored in the cache memory" is disclosed, see col. 6 lines 41-45, col. 4 lines 16-18, col. 21 lines 27-31;

the claimed limitation "and a display for the composed scene" is disclosed, see col. 6 lines 46-48;

the claimed limitation "wherein the acquisition over time comprises receiving encoded data-objects having a high level structure of visual content and further comprises receiving such encoded data-objects in a data bit stream" is also suggested by Escobar, because Escobar teaches MPEG encoder/decoder and also data bit stream, see Fig. 8 items 827, 829, 831. The only difference between the claimed invention and Escobar's disclosure is that Escobar does not explicitly say "encoded data-objects having a **high level structure of visual content**". However, the structure of the claimed limitation is notoriously well known in the art, as evidence see Puri at col. 3 lines 12-19, col. 4 lines 38-39, where encoded data-objects, bitstream objects, having a high level structure of visual content (representing familiar physical objects), are

independently encoded. An artisan would be motivated to combine the references to arrive at the claimed invention, because this combination would provide encoded data-objects, bitstream objects, having a high level structure of visual content, that are independently encoded using coded technique that gives best quality for each object; and this combination would result also in modularity, reusability, and ease of manipulation and interaction with individual image components. Therefore, the claimed invention would have been obvious to a person of ordinary skill in the art at the time the invention was made.

Claims 9, 10 are rejected for the same reasons as claim 8.

Response to Arguments

3. Applicant's arguments have been considered but are moot in view of the new ground of rejection necessitated by the amendment.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jean W. Désir whose telephone number is (571) 272 7344. The examiner can normally be reached on 5/4/9 - First Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John W. Miller can be reached on (571) 272 7353. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JWD
May. 12, 05

JOHN MILLER
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600